🚳 Contribute 🛨 New 🖉 Edit Post vkAssistanti voice controlled Computer System) like

Alexa using python3

PYTHON PROJECT

vkAssistant takes your voice as input and then performs the required task.

7.IT CAN PLAY MUSIC

pyttsx3

requests

feedparser

wikipedia

notify2

8. os

Installation:

dateandtime

Modules of python used:

speechrecognition

pyttsx: module used to convert text into speech

datetime: module to get the current date and time

wikipedia: module used to get an information from the wikipedia

speech_recognition: Python supports many speech recognition engines and APIs, including Google Speech

""" Making an assistant like siri,ok google,alexa etc. using the python3"""

#module used to activate some of the some functions of the webbrowser

#The OS module in python provides functions for interacting with the operating syste

#Python supports many speech recognition engines and APIs, including Google Speech E

import time #moduleallows us to handle various operations regarding time, its conver

#print(voices[16].id) (used to check which voices are available in the system)

#Requests is a Python module that you can use to send all kinds of HTTP requests.

requests: Requests is a Python module that you can use to send all kinds of HTTP requests.

Install it using following pip command:

pip install speech recognition

Install it using following pip command:

notify2:used to show desktop notification

feedparser:used for parsing a feed from the urls

#module used to convert text into speech

#module to get the current date and time

#module used to get an informaton from the wikipedia

import feedparser #used for parsing a feed from the urls

import notify2 #used to show desktop notification

#initailizing the module which convert text to speech

Install it using following pip command:

Install it using following pip command:

import pyttsx3

import datetime

import wikipedia

import webbrowser

import requests

def speak(audio):

def wishMe():

else:

try:

def takeCommand():

r = sr.Recognizer()

except Excepton as e:

return "None"

print(e)

n.show()

return query

def Parsefeed():

engine.say(audio)

engine.runAndWait()

if hour>=0 and hour<12:

speak("Good Morning")

speak("Good Afternoon")

speak("Good Evening")

#this function takes the speech as input

with sr.Microphone() as source:

print("Listening.....")

audio = r.listen(source)

print("Recognizing.....")

Source function for the news command

notify2.init('News Notify')

for newsitem in f['items']:

n.set_timeout(15)

print(newsitem['title'])

speak(newsitem['title'])

speak("That's all for today")

source function for the weather news

name = weather['name']

temp = weather['main']['temp']

print(newsitem['summary'])

speak(newsitem['summary'])

#time.sleep(5)

print('\n')

def format_response(weather):

speak(temp)

weather = response.json()

format response(weather)

if __name__== "__main__":

while(count!=0):

try:

except:

main function

wishMe()

def get weather(citv):

ICON_PATH = os.getcwd() + "/icon.ico"

r.pause threshold = 1

elif hour>=12 and hour<18:

import subprocess,sys

import speech recognition as sr

engine = pyttsx3.init('espeak')

rate = engine.getProperty('rate')

engine.setProperty('rate',rate-50)

voices = engine.getProperty('voices')

#speak function speaks the text given to it

#wishMe function wishes the user according to time

speak("Hello i am vk's Assitant How may i help you")

query=r.recognize_google(audio,language='en-in')

f = feedparser.parse("http://timesofindia.indiatimes.com/rssfeedstopstories.cms"

uses the api of the openweathermap site for fetching the weather report

speak("Apke sahar" + name+"main mausam kuch iss prakar hai")

final str = 'There was a problem retrieving that information'

params = {'APPID': weather_key, 'q': city, 'units': 'imperial'}

desc = weather['weather'][0]['description']

speak("It's all "+desc+"in the sky")

speak("Tapman degree fahrenheit mai")

weather_key = 'a4aa5e3d83ffefaba8c00284de6ef7c3'

response = requests.get(url, params=params)

count=10 # count takes the number of command

speak('Searching wikipedia....')

speak("According to wikipedia")

query = query.replace("wikipedia","")

results = wikipedia.summary(query,sentences=2)

#for opening websites like youtube, google, codeforces etc.

webbrowser.open new tab("https://www.google.com")

webbrowser.open(os.path.join(music_dir,songs[1]))

codepath="/usr/share/code/code --unity-launch %F"

path = "/home/vishnu/Documents/1705210064.doc"

you can use your own path where pdf file is stored

#reduces the count value by 1

strTime = datetime.datetime.now().strftime("%H:%M:%S")

opener ="open" if sys.platform == "darwin" else "xdg-open"

webbrowser.open_new_tab("https://www.codeforces.com/")

webbrowser.open_new_tab("https://www.youtube.com/watch?v=-m_WlHjFvPE&lis

os.startfile attribute not found error(not working in linux mint working i

webbrowser.open_new_tab("https://www.youtube.com/")

query = takeCommand().lower() print(f"User said:{query}\n")

#logic for executing commands

#for searching wikipedia

if 'wikipedia' in query:

print(results)

speak(results)

elif 'open youtube'in query:

elif 'open google'in query:

#play music on youtube

#play music from folder

print(songs[1])

elif 'the time' in query:

elif 'open code' in query:

elif 'open pdf' in query:

webbrowser.open(path)

elif "today's news" in query:

print("Error")

elif "today's weather" in query: get_weather("lucknow")

Parsefeed()

"""Developer Vishnu Kumar (IET Lucknow)"""

speak("pdf opened")

print("pdf opened")

#Aj ke samaachar

except:

#weather report

count=count-1

try:

#os.startfile(codepath)

#open pdf from a particular path

#tell me about Time

elif 'play music'in query:

speak("youtube opened")

print("youtube opened")

speak("google opened")

print("google opened")

elif 'play saki saki'in query:

elif 'open codeforces'in query:

speak("codeforces opened")

print("codeforces opened")

music dir = "//home//vishnu//Music"

speak(f"Sir,the time is {strTime}")

subprocess.call([opener, codepath])

#open visual studio code(currently not working)

songs = os.listdir(music dir)

url = 'https://api.openweathermap.org/data/2.5/weather'

n = notify2.Notification(newsitem['title'], newsitem['summary'], icon=ICON_P

final_str = 'City: %s \nConditions: %s \nTemperature (°F): %s' % (name, desc

print(f"User said:{query.lower()}\n")

#uses the api of the times of india for fetching the news

n.set_urgency(notify2.URGENCY_NORMAL)

print("Say that again please....")

hour = int(datetime.datetime.now().hour)

import os

pip install requests

pip install notify2

pip install feedparser

Python3 Code

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pip install pyttsx

pip install datetime

pip install wikipedia

Engine

1.It can search info from wikipedia

It can open frequently used websites like youtube, codeforces, google etc.

6.IT CAN TELL YOU THE CURRENT WEATHER Conditions in your CITY

3.It can tell you the time

4.It can open pdf from a given location

5.IT CAN TELL YOU THE TOP CURRENT NEWS

In this article you will learn to make a vioce controlled computer system like Alexa using Python3 What our vkAssistant can do?